



- PET 1780
U.S. Serial No. 09/344,343

PATENT OF INVENTION

INSTITUT FRANÇAIS DU PÉTROLE

**HYDROCRACKING CATALYST COMPRISING A ZEOLITE Y NOT
GLOBALLY DEALUMINIZED, AN ELEMENT OF GROUP VB,
AND A PROMOTER ELEMENT CHOSEN FROM THE GROUP
CONSISTING OF BORON, PHOSPHORUS AND SILICON**

Invention of Slavik KASZTELAN, Eric BENAZZI
and Nathalie MARCHAL-GEORGE

RECEIVED

DEC 12 2001

TC 1700

ABSTRACT

The invention relates to a hydrocracking catalyst comprising at least one amorphous or poorly crystallized matrix of the oxide type, at least one element of group VB, preferably niobium, and at least one zeolite Y not globally dealuminized, at least one promoter element chosen from the group consisting of boron, phosphorus and silicon, optionally at least one element chosen from the elements of group VIB and group VIII, optionally at least one element of group VIIA. The invention also relates to the use of this catalyst for hydrocracking hydrocarbon feeds.